

In Vehicle

Cellular Amplifier Installation Guide

Model:

SBX-819

SBX-1900

SBX-800N (iDEN)

SBX-900

SBX-1800



 **BOSTON[®]**
Amplifier
your solution to wireless technology
<http://www.bostonamplifier.com>

PTP

www.ptp-group.net

Notice:

The information in this document is intended for informational purposes only, and is subject to change without notice. By using this product, the user assumes all risk. Any and all references to Boston Amplifier in this document, including those in the Warranty, refer to Point to Point Technology.

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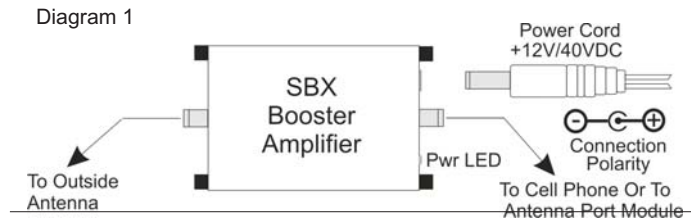
Rev 1.2

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Cellular Amplifier

Note: This product amplifies radio frequency energy. Improper installation or use not in strict accordance with the manufacturer's instructions may result in improper operation and potential damage to the product. There is no guarantee against the presence of interference by other transmitters and noise sources on the operating frequencies. The user is responsible for complying with all applicable federal, state, and local laws, including those pertaining to those involving allowable levels of non-ionizing radiation.

Cellular Amplifier Connection Diagram



Cellular Amplifier

This device complies with FCC rules. Boston Amplifier provides bi-directional amplification of transmit (uplink from the phone to the service provider) and receive (downlink to the phone from the service provider). This amplification can provide improved portable cellular phone call quality, reliability, and range in marginal signal areas.

Features of the Cellular Amplifier Include

- Models covering Cellular, PCS, iDEN® and GSM
- TDMA, CDMA, and Analog (AMPS) compatible
- Compact size and easy vehicle installation
- L.E.D. power indicator
- 1.2m (4Ft) Coaxial Cable
- Power cable
- User Guide
- Two Year Warranty

The SBX Cellular Amplifier is designed for use with portable phones capable of no more than 600 milliwatts output. The majority of wireless phones sold meet this requirement. Any attempt to connect higher-powered phones, such as older analog mobile telephones to the amplifier will nullify the manufacturer's warranty, result in improper and illegal operation, and can damage the unit and or cell phone.

Important Information

This product is exclusively for use in vehicles and vessels with a negative-ground power supply.

Operating Voltage: 12VDC to 38VDC
Power Consumption: Typical Stand By: 250ma
Usage 350ma

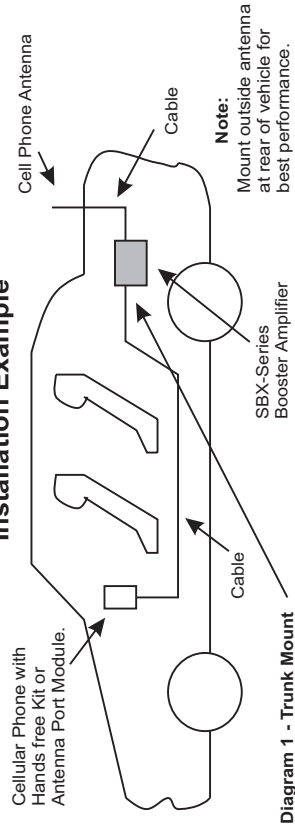
- Read all instructions carefully before installation.
- If connecting directly to vehicle electrical system, first disconnect the vehicle's positive "+" battery or power terminals before installing this device. This should help prevent possible electrical damage during installation.

Where To Mount The Cellular Amplifier (See Diagram on Page 4)

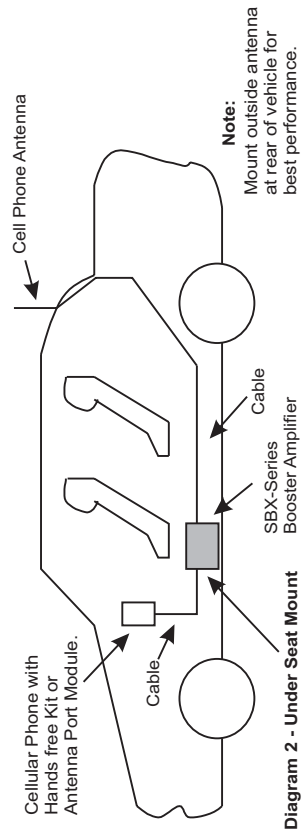
Locate a suitable place to mount the amplifier. Suitable mounting locations include under the vehicle's dashboard or under the front seat. The Amplifier should be connected to the phone using no more than 1.2m of cable. The location should be easily accessible and free of moving parts, loose items, excessive heat, and moisture.

Cellular Amplifier

SBX Installation Example



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Typical Installation for Mounting under the Seat

WARNING: The external cell phone antenna must be placed on the outside of the vehicle, either on the roof, trunk lid, fender, or on a window (if using the on-glass antenna) with a minimum distance of 30cm (12"). Away from any persons, including the driver, passengers, or bystanders.

INSTALLATION PRECAUTIONS

Boston Amplifier recommends that installation in a vehicle or vessel of this, or any electrical device, be performed by qualified installation personnel.

- Use caution prior to drilling holes in the vehicle. First check the area and drill depth clearance on both sides to avoid damage. Use of professional hole-cutters with depth control can help prevent damage to headliners. Avoid drilling any holes in the vicinity of fuel tanks, fuel lines, fluid tanks, transmission or brake fluid lines, batteries, or wiring. For further information refer to vehicles owners manual.
- Do not mount the amplifier or the associated wiring in any location that may interfere with the safe operation of the vehicle.

Cellular Amplifier

INSTALLING THE CELLULAR AMPLIFIER

1. Disconnect the vehicle's positive (+) battery cable (usually RED in color) from the positive (+) battery terminal of the vehicle's battery. Disconnect any other batteries in the vehicle's same power system, as applicable, in the same manner.
2. Plan, mark, and drill holes, mounting the amplifier in the appropriate location that you have selected.
3. Connect the Hardwired Cable Positive Lead (Red) or (Black) on the Cellular Amplifier to a switched (Accessory) power point in the vehicle or vessel that can safely supply a +12V nominal voltage supply with a continuous current of at least 0.750 amperes.
4. Attach the cable from antenna to the "Antenna" connector on the Cellular Amplifier.
5. This is direct connect Cellular Amplifier to cell phone via hands free kit.
6. Observe Power LED is "ON" after installation.

TROUBLE SHOOTING

- In the event of difficulties, check the following before indications before seeking Technical Support from Boston Amplifier or visit: www.bostonamplifier.com
- Is the LED indicator lit, showing that the power supply is connected correctly? If not, check the polarization of the power connection or make sure the DC Power Jack is all the way in.
- Is the signal strength at least adequate for the phone to register onto the provider's system? Depending on the geographical area you are in, you may not be able to make a call, even with the added performance improvement provided by the amplifier.

PRECAUTIONS AND CARE

- All units have Automatic Shutdown and does not require any fuse. Turn power OFF and wait for 10 seconds before applying power. Boston Amplifier recommends the use of your phone with the accordance to City, State and Federal laws, as applicable.

Cellular Amplifier

Caution:

Damage will occur to this device if the maximum rated input power from any 800/900 Mhz or 1900/1800 Mhz portable phones exceeds 600mw. It is the user's responsibility to refer to the telephone manufacturer's Owner's manual to determine the maximum rated RF output power.

Legal:

The information provided herein, Boston Amplifier is believed to be complete and accurate. However, no responsibility is assumed by Boston Amplifier for any business or personal losses arising from the use of this product, nor for any infringements of patents. Boston Amplifier reserves the right to change, alter, modify or change the specifications at anytime without notice. Other rights of the third party, which may result from its use.

Trademarks:

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Limited Warranty

Point to Point provides a limited two (year) warranty to the original purchaser of the product.

Under the above warranty, Point to Point, at its option, shall either repair or replace non-conforming or defective products. If Point to Point determines that the product has been misused, carelessly handled, defaced (including unauthorized repairs performed or attempted by others), modified or altered in any way, the warranty will be considered null and void, and the unit will not be repaired or replaced under warranty.

The product must be returned with the proof of purchase to the point of purchase or by obtaining an RMA (Return Merchandise Authorization) number from Point to Point. Claims must be made in accordance with the provisions of this warranty and within the applicable warranty period or they will be disregarded.

No inbound or outbound shipping will be paid, regardless of the territory, by Point to Point. Point to Point will not be responsible for any product which has been lost or damaged during inbound and outbound shipping.

Point to Point reserves the ultimate authority to determine what constitutes warranty repair. If it is determined that the product is received after expiration of the warranty period, it will be repaired using Point to Point's standard rates for parts and labor, which may change from time to time.

Point to Point will use its best efforts to repair the product within 15 working days after receipt thereof. Point to Point shall not be responsible for delays caused by shipping or non-availability of replacement parts or other causes, events, or conditions beyond its reasonable control.

The above warranty is the only warranty authorized by Point to Point. The above warranty states the purchaser's exclusive remedy for any breach of the Point to Point warranty and for any claim, whether sounding in contract, tort or negligence, for loss or injury caused by the sale of any product without limiting the generality of the foregoing, shall be limited no more than the replacement value of the Point to Point purchased, or an equivalent product, and only in the event the remedy is being sought by the original purchaser of the Point to Point product in question. Point to Point shall in no event be responsible for any loss of business or profits, downtime or delay, labor, repair, monetary, financial, or material costs, injury to person, persons or property, or any similar or dissimilar consequential loss or damage incurred by the purchaser, even if Point to Point has been advised of the possibilities of such losses or damages.



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